

Table 1  
Groundwater PFAS Sampling Results - March 2019  
North Penn Area 2 Superfund Site  
Hatfield Township, Pennsylvania

**Groundwater Sample Results**

|                                  |  | CLIENT ID:   | PW-3        |     |      | Dup1 <sup>5</sup> |      |     | MW-2S       |    |      | Dup2 <sup>5</sup> |   |      | EB032519 <sup>6</sup> |   |     |
|----------------------------------|--|--|-------------|-----|------|-------------------|------|-----|-------------|----|------|-------------------|---|------|-----------------------|---|-----|
|                                  |  | LAB ID:  | 1017502     |     |      | 1017503           |      |     | 1017504     |    |      | 1017505           |   |      | 1017508               |   |     |
|                                  |  | COLLECTION DATE:   | 3/25/2019   |     |      | 3/25/2019         |      |     | 3/25/2019   |    |      | 3/25/2019         |   |      | 3/25/2019             |   |     |
|                                  |  | SAMPLE MATRIX:   | Groundwater |     |      | Groundwater       |      |     | Groundwater |    |      | Groundwater       |   |      | Water                 |   |     |
|                                  |  | SAMPLE UNITS:  | ng/L        |     |      | ng/L              |      |     | ng/L        |    |      | ng/L              |   |      | ng/L                  |   |     |
|                                  |  | Threshold for Requiring Confirmatory Sampling <sup>4</sup> |             |     |      |                   |      |     |             |    |      |                   |   |      |                       |   |     |
|                                  |  | (ng/L)   |             |     |      |                   |      |     |             |    |      |                   |   |      |                       |   |     |
| Analyte                          |  |  | Result      | Q   | MDL  | Result            | Q    | MDL | Result      | Q  | MDL  | Result            | Q | MDL  | Result                | Q | MDL |
| Perfluoroalkyl Substance         |  |  |             |     |      |                   |      |     |             |    |      |                   |   |      |                       |   |     |
| Perfluoro-octanesulfonate (PFOS) |  |  | -           | 340 | 3.4  | 280               | 3.5  | 16  | 0.35        | 15 | 0.37 | ND                |   | 0.36 |                       |   |     |
| Perfluorooctanoic acid (PFOA)    |  |  | -           | 76  | 0.26 | 70                | 0.26 | 64  | 0.26        | 61 | 0.28 | ND                |   | 0.27 |                       |   |     |
| Total                            |  |  | 70          | 416 |      | 350               |      | 80  |             | 76 |      | ND                |   |      |                       |   |     |

**Performance Sample Results**

|                                  |  |  | CLIENT ID:         |                               | PS-1 <sup>1</sup> |     | PS-2 <sup>1</sup> |        |     |     |
|----------------------------------|--|--|--------------------|-------------------------------|-------------------|-----|-------------------|--------|-----|-----|
|                                  |  |  | LAB ID:            |                               | 1017506           |     | 1017507           |        |     |     |
|                                  |  |  | COLLECTION DATE:   |                               | 3/20/2019         |     | 3/20/2019         |        |     |     |
|                                  |  |  | SAMPLE MATRIX:     |                               | Water             |     | Water             |        |     |     |
|                                  |  |  | SAMPLE UNITS:      |                               | ng/L              |     | ng/L              |        |     |     |
|                                  |  |  | Certified          | QC Performance                |                   |     |                   |        |     |     |
|                                  |  |  | Value <sup>2</sup> | Acceptance Limit <sup>3</sup> |                   |     |                   |        |     |     |
|                                  |  |  | (ng/L)             | (ng/L)                        |                   |     |                   |        |     |     |
| Analyte                          |  |  |                    |                               | Result            | Q   | MDL               | Result | Q   | MDL |
| Perfluoroalkyl Substance         |  |  |                    |                               |                   |     |                   |        |     |     |
| Perfluoro-octanesulfonate (PFOS) |  |  | 211                | 127 - 295                     | 180               | 0.4 |                   | 180    | 0.4 |     |
| Perfluorooctanoic acid (PFOA)    |  |  | 151                | 90.6 - 211                    | 150               | 0.3 |                   | 160    | 0.3 |     |

**Notes:**

<sup>1</sup> PS-1 and PS-2 are performance evaluation samples; Product: WatR™ Supply Per- & Polyfluoroalkyl Substances (PFAS) GW & SW, Catalog Number: 731, Lot No.: S252-731.

<sup>2</sup> Certified Value is the actual "made-to" concentration.

<sup>3</sup> The QC Performance Acceptable Limit closely approximates a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods.

<sup>4</sup> Confirmatory sampling limit as listed in the Sampling and Analysis Plan Addendum for Perfluoroalkyl Substances, 29 January 2019.

<sup>5</sup> Sample Dup1 is a duplicate of sample PW-3 and Dup2 is a duplicate of sample MW-2S.

<sup>6</sup> Equipment blank

MDL: Method Detection Limit

Q: Lab Qualifier

All units in nanogram per liter (ng/L)

**Bolded values indicate results greater than MDL.**

**Highlighted values indicate results exceeding the threshold for requiring confirmatory sampling.**

ND: Not Detected